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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/043,436

DATE: 06/06/2002

TIME: 11:23:58

Input Set : N:\Crf3\RULE60\10043436.raw

Output Set: N:\CRF3\06062002\J043436.raw

1 <110> APPLICANT: Le, Junming
 2 Vilcek, Jan
 3 Daddona, Peter
 4 Ghrayeb, John
 5 Knight, David M.
 6 Siegel, Scott
 7 <120> TITLE OF INVENTION: Anti-TNF Antibodies and Peptides of
 8 Human Tumor Necrosis Factor
 9 <130> FILE REFERENCE: 0975.1005-013
 10 <140> CURRENT APPLICATION NUMBER: 10/043,436
 11 <141> CURRENT FILING DATE: 2002-01-10
 12 <150> PRIOR APPLICATION NUMBER: US/09/927,703
 13 <151> PRIOR FILING DATE: 2001-08-10
 14 <150> PRIOR APPLICATION NUMBER: U.S. 09/756,398
 15 <151> PRIOR FILING DATE: 2001-01-08
 16 <150> PRIOR APPLICATION NUMBER: U.S. 09/133,119
 17 <151> PRIOR FILING DATE: 1998-08-12
 18 <150> PRIOR APPLICATION NUMBER: U.S. 08/570,674
 19 <151> PRIOR FILING DATE: 1995-12-11
 20 <150> PRIOR APPLICATION NUMBER: U.S. 08/324,799
 21 <151> PRIOR FILING DATE: 1994-10-18
 22 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,102
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 24 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,861
 25 <151> PRIOR FILING DATE: 1994-02-04
 26 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,093
 27 <151> PRIOR FILING DATE: 1994-02-04
 28 <150> PRIOR APPLICATION NUMBER: U.S. 08/010,406
 29 <151> PRIOR FILING DATE: 1993-01-29
 30 <150> PRIOR APPLICATION NUMBER: U.S. 08/013,413
 31 <151> PRIOR FILING DATE: 1993-02-02
 32 <150> PRIOR APPLICATION NUMBER: U.S. 07/943,852
 33 <151> PRIOR FILING DATE: 1992-09-11
 34 <150> PRIOR APPLICATION NUMBER: U.S. 07/853,606
 35 <151> PRIOR FILING DATE: 1992-03-18
 36 <150> PRIOR APPLICATION NUMBER: U.S. 07/670,827
 37 <151> PRIOR FILING DATE: 1991-03-18
 38 <160> NUMBER OF SEQ ID NOS: 19
 39 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 41 <210> SEQ ID NO: 1
 42 <211> LENGTH: 157
 43 <212> TYPE: PRT
 44 <213> ORGANISM: Homo sapiens

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45 <400> SEQUENCE: 1
46 Val Arg Ser Ser Ser Arg Thr Pro Ser Asp Lys Pro Val Ala His Val
47 1 5 10 15
48 Val Ala Asn Pro Gln Ala Glu Gly Gln Leu Gln Trp Leu Asn Arg Arg
49 20 25 30
50 Ala Asn Ala Leu Leu Ala Asn Gly Val Glu Leu Arg Asp Asn Gln Leu
51 35 40 45
52 Val Val Pro Ser Glu Gly Leu Tyr Leu Ile Tyr Ser Gln Val Leu Phe
53 50 55 60
54 Lys Gly Gln Gly Cys Pro Ser Thr His Val Leu Leu Thr His Thr Ile
55 65 70 75 80
56 Ser Arg Ile Ala Val Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala
57 85 90 95
58 Ile Lys Ser Pro Cys Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys
59 100 105 110
60 Pro Trp Tyr Glu Pro Ile Tyr Leu Gly Gly Val Phe Gln Leu Glu Lys
61 115 120 125
62 Gly Asp Arg Leu Ser Ala Glu Ile Asn Arg Pro Asp Tyr Leu Asp Phe
63 130 135 140
64 Ala Glu Ser Gly Gln Val Tyr Phe Gly Ile Ile Ala Leu
65 145 150 155
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68 <211> LENGTH: 321
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70 <213> ORGANISM: Mus Balb/c
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72 <221> NAME/KEY: CDS
73 <222> LOCATION: (1)...(321)
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75 gac atc ttg ctg act cag tct cca gcc atc ctg tct gtg agt cca gga 48
76 Asp Ile Leu Leu Thr Gln Ser Pro Ala Ile Leu Ser Val Ser Pro Gly
77 1 5 10 15
78 gaa aga gtc agt ttc tcc tgc agg gcc agt cag ttc gtt ggc tca agc 96
79 Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser
80 20 25 30
81 atc cac tgg tat cag caa aga aca aat ggt tct cca agg ctt ctc ata 144
82 Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile
83 35 40 45
84 aag tat gct tct gag tct atg tct ggg atc cct tcc agg ttt agt ggc 192
85 Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
86 50 55 60
87 agt gga tca ggg aca gat ttt act ctt agc atc aac act gtg gag tct 240
88 Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
89 65 70 75 80
90 gaa gat att gca gat tat tac tgt caa caa agt cat agc tgg cca ttc 288
91 Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe
92 85 90 95
93 acg ttc ggc tcg ggg aca aat ttg gaa gta aaa 321
94 Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys

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Input Set : N:\Crf3\RULE60\10043436.raw

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98 <211> LENGTH: 107
99 <212> TYPE: PRT
100 <213> ORGANISM: Mus Balb/c
101 <400> SEQUENCE: 3
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103     1          5          10          15
104   Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser
105           20          25          30
106   Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile
107           35          40          45
108   Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
109           50          55          60
110   Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
111     65          70          75          80
112   Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe
113           85          90          95
114   Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys
115           100          105
117 <210> SEQ ID NO: 4
118 <211> LENGTH: 357
119 <212> TYPE: DNA
120 <213> ORGANISM: Mus Balb/c
121 <220> FEATURE:
122 <221> NAME/KEY: CDS
123 <222> LOCATION: (1)...(357)
124 <400> SEQUENCE: 4
125   gaa gtg aag ctt gag gag tct gga gga ggc ttg gtg caa cct gga gga 48
126   Glu Val Lys Leu Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
127     1          5          10          15
128   tcc atg aaa ctc tcc tgt gtt gcc tct gga ttc att ttc agt aac cac 96
129   Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His
130           20          25          30
131   tgg atg aac tgg gtc cgc cag tct cca gag aag ggg ctt gag tgg gtt 144
132   Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
133           35          40          45
134   gct gaa att aga tca aaa tct att aat tct gca aca cat tat gcg gag 192
135   Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu
136           50          55          60
137   tct gtg aaa ggg agg ttc acc atc tca aga gat gat tcc aaa agt gct 240
138   Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala
139           65          70          75          80
140   gtc tac ctg caa atg acc gac tta aga act gaa gac act ggc gtt tat 288
141   Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr
142           85          90          95
143   tac tgt tcc agg aat tac tac ggt agt acc tac gac tac tgg ggc caa 336
144   Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln
145           100          105          110

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146      ggc acc act ctc aca gtc tcc
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151 <211> LENGTH: 119
152 <212> TYPE: PRT
153 <213> ORGANISM: Mus Balb/c
154 <400> SEQUENCE: 5
155      Glu Val Lys Leu Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
156              1              5              10              15
157      Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His
158              20              25              30
159      Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
160              35              40              45
161      Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu
162              50              55              60
163      Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala
164              65              70              75              80
165      Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr
166              85              90              95
167      Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln
168              100             105             110
169      Gly Thr Thr Leu Thr Val Ser
170              115
172 <210> SEQ ID NO: 6
173 <211> LENGTH: 8
174 <212> TYPE: PRT
175 <213> ORGANISM: Homo sapiens
176 <400> SEQUENCE: 6
177      Gly Thr Leu Val Thr Val Ser Ser
178              1              5
180 <210> SEQ ID NO: 7
181 <211> LENGTH: 7
182 <212> TYPE: PRT
183 <213> ORGANISM: Homo sapiens
184 <400> SEQUENCE: 7
185      Gly Thr Lys Leu Glu Ile Lys
186              1              5
188 <210> SEQ ID NO: 8
189 <211> LENGTH: 20
190 <212> TYPE: DNA
191 <213> ORGANISM: Artificial Sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: PCR oligonucleotides
194 <400> SEQUENCE: 8
195      cctggatacc tgtgaaaaga
197 <210> SEQ ID NO: 9
198 <211> LENGTH: 27
199 <212> TYPE: DNA

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Input Set : N:\Crf3\RULE60\10043436.raw
 Output Set: N:\CRF3\06062002\J043436.raw

200 <213> ORGANISM: Artificial Sequence
 201 <220> FEATURE:
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 203 <400> SEQUENCE: 9
 204 cctggtagcct tagtcaccgt ctctca 27
 206 <210> SEQ ID NO: 10
 207 <211> LENGTH: 27
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 209 <213> ORGANISM: Artificial Sequence
 210 <220> FEATURE:
 211 <223> OTHER INFORMATION: PCR oligonucleotides
 212 <400> SEQUENCE: 10
 213 aatagatatc tccttcaaca cctgcaa 27
 215 <210> SEQ ID NO: 11
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 217 <212> TYPE: DNA
 218 <213> ORGANISM: Artificial Sequence
 219 <220> FEATURE:
 220 <223> OTHER INFORMATION: PCR oligonucleotides
 221 <400> SEQUENCE: 11
 222 atcgggacaa agttggaat a 21
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 225 <211> LENGTH: 16
 226 <212> TYPE: DNA
 227 <213> ORGANISM: Artificial Sequence
 228 <220> FEATURE:
 229 <223> OTHER INFORMATION: PCR oligonucleotides
 230 <400> SEQUENCE: 12
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 234 <211> LENGTH: 19
 235 <212> TYPE: DNA
 236 <213> ORGANISM: Artificial Sequence
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 238 <223> OTHER INFORMATION: PCR oligonucleotides
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 243 <211> LENGTH: 23
 244 <212> TYPE: DNA
 245 <213> ORGANISM: Artificial Sequence
 246 <220> FEATURE:
 247 <223> OTHER INFORMATION: PCR oligonucleotides
 248 <400> SEQUENCE: 14
 249 cacaggtgtg tccccaagga aaa 23
 251 <210> SEQ ID NO: 15
 252 <211> LENGTH: 18
 253 <212> TYPE: DNA
 254 <213> ORGANISM: Artificial Sequence

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/043,436

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Input Set : N:\Crf3\RULE60\10043436.raw

Output Set: N:\CRF3\06062002\J043436.raw